(30) Data relating to the priority:

WORLD INTELLECTUAL PROPERTY ORGANIZATION

International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International patent classification ⁷ :		(11)	International publication number:	WO 00/48778
B23D 15/14, B26F 3/04, F42B 3/00	A1	(43)	International publication date: 24 August 2000 (24.08.00	
				(21.00.00)

- (21) International application number: PCT/FR00/00413
- (22) International filing date: 18 February 2000 (18.02.00)
- 19 February 1999 (19.02.99) 99/02,087 FR (71) Applicant (for all designated States except US):
- ETIENNE LACROIX TOUS ARTIFICES S.A. [FR/FR]; 6, boulevard de Joffrery, F-31600 Muret (FR).
- (72) Inventors; and
- 175) Inventors/Applicants (US only): VALEMBOIS, Guy [FR/FR]; 20, rue de Sologne, F-31700 Blagnac (FR). GENDRE, Pascal [FR/FR]; 56, rue Raspail, F-31400 Toulouse (FR). RIFFET, Régis [FR/FR]; 2, rue de la Garonne, F-31120 Roquettes (FR).
- (74) Representatives: MARTIN, Jean-Jacques etc.; Cabinet Regimbeau, 26, avenue Kléber, F-75116 Paris (FR).
- (81) Designated states: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN,

Published

With the International Search Report.

GW, ML, MR, NE, SN, TD, TG).

As printed

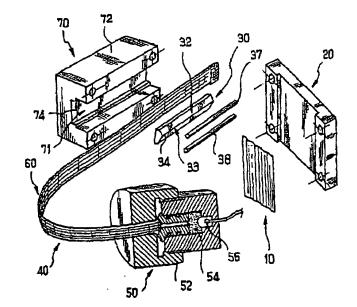
- (54) Title: CONTROLLED RUPTURE DEVICE FOR A STRUCTURE OPERATING IN TRACTION AND EQUIPMENT USING SAME
- (54) Titre: DISPOSITIF DE RUPTURE CON'INOLEE D'UNE STRUCTURE TRAVAILLANT A LA TRACTION ET EQUIPEMENT EN FAISANT APPLICATION

(57) Abstract

The invention concerns an assembly comprising a structure (10) designed to be separated by rupture comprising fibres, preferably pre-stretched, and a controlled rupturing device. The invention is characterised in that it comprises two stressing members (20, 30), respectively arranged on either side of the fibres (10), and control means (40) for causing at will a relative movement bringing the stressing members (20, 30) closer to each other, the latter being configured to impose, while they are being brought closer to each other. a bending radius on the fibres, less than the bending radius thereof causing them to be ruptured by bending.

(57) Abrégé

La présente invention concerne un ensemble comprenant une structure (10) destinée à être rompue comprenant des fibres, de préférence prétendues, et un dispositif de rupture contrôlée, caractérisé par le fait qu'il comprend deux organes de sollicitation (20, 30), disposés respectivement de part et d'autre des fibres (10), et des moyens de commande (40) adaptés pour provoquer sur demande un déplacement relatif en rapprochement des organes de sollicitation (20, 30), ces derniers



éunt conformés pour imposer, lors de ce déplacement en rapprochement, un rayon de courbure sur les fibres (10), inférieur au seuil de courbure de celles-ci conduisant à une rupture par flexion.